

# Work Order ID 79200

**\*79200\***

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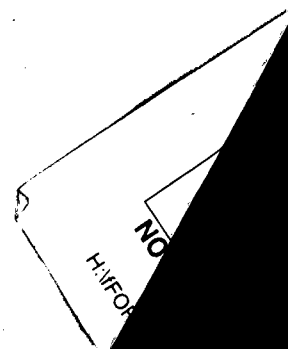
Item ID: D2661-1 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Saddle, LH Fwd Aft Out 206  
 Start Date: 23/01/2012 Start Qty: 10.00 **\*10\*** Cust Item ID:  
 Required Date: 06/02/2012 Req'd Qty: 10.00 **\*10\*** Customer:  
 Reference:

Approvals: Process Plan: MLJ Date: 12/01/23 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2661	Rev E								

100 0.00  
**\*100\*** HAAS CNC VERTICAL MACHINING #1  
 HAAS 1 Memo 0.00 FK 12/02/24 10 1  
 HAAS CNC vertical machine #1 Program part number and batch number.  
 Program part number and batch number  
 MACHINE AS PER DWG AND FOLIO FB073  
 FOLIO REV: AA  
 DWG REV: E

110 0.00  
**\*110\*** CONVENTIONAL MILLING MACHINE  
 Mill Conv Memo 0.00 FK 12/02/24 10 1  
 Conventional Milling Machine Machine Keyway and inspect per attached dimension sheet



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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**\*79200\***

Page 2

**Accept**

**\*N900040100\***

Setup Start \*NS1\*

Stop \*NS2\*

**Item Name:** Saddle, LH Fwd Aft Out 206

**Start Date:** 23/01/2012      **Start Qty:** 10.00

**\*10\***

**Cust Item ID:**

**Required Date:** 06/02/2012      **Req'd Qty:** 10.00

**\*10\***

**Customer:**

**Reference:**

**Approvals:**      **Process Plan:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Tooling:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120 QC2- Inspect parts off machine FAI/FAIB

0.00

F.K. 12/02/24

**\*120\***

QC

## Memo

0.00

## Quality Control

130 QC8- Inspect parts - second check

0.00

 $\mathbb{R} \quad 12.2.25$ 

**\*130\***

QC

## Memo

0.00

## Quality Control

140 Chemical Conversion Coat per QSI005 4.1

0.00

**\*140\***

HandFinish

## Memo

0.00

## Hand Finishing

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

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Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum	0.00							
<b>*150*</b>									
Powdercoat	Memo	0.00							
Powder Coating	START TIME: <u>9:50</u> FINISH TIME: <u>10:20</u> OVEN TEMPERATURE:								
	<u>MI 20222</u> <u>32001</u>								
160	QC3- Inspect Part Finish	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									
170	Identify as per dwg & Stock Location: _____	0.00							
<b>*170*</b>									
Packaging	Memo	0.00							
Packaging	<u>934</u>								

10x8 m-1 12/03/02

12/3/2 SD 100

164/3/2 (10)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**Work Order ID 79200****\*79200\***

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Item ID: D2661-1 Accept **\*N900040100\*** Setup Start **\*NS1\***  
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Required Date: 06/02/2012 Req'd Qty: 10.00 **\*10\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	QC21- Final Inspection - Work Order Release	0.00							
<b>*180*</b>									
QC	Memo	0.00							
Quality Control									

MLJ 12/03/05

112-03-5  
Go

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries



# Picklist Print

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Page 1

Work Order ID: 79200

\*79200\*

Parent Item: D2661-1

\*D2661-1\*

Parent Item Name: Saddle, LH Fwd Aft Out 206

Start Date: 23/01/2012

Required Date: 06/02/2012

Start Qty: 10.00

Required Qty: 10.00

## Comments:

IPP: C00.11.01Removed P/O for Powder Coat - in house  
processEC

IPP REV:D

REDESIGN PER ENG ERROR 11-11-17 JLM VERIFIED BY:DD

IPP Rev:D As per Rev D 07-03-19 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6101-003		Manufactured	No			100	Each	80.0000	1	10			

\*D6101-003\*

\*\*

Saddle Billet, 7075

Location	Loc Qty	Loc Code
MAT040	86	
73775	2	
73780	7	
77562	10	
78599	60	
MAT042	-7	
MAT044	1	
73769	1	

78159

10

FK 12/02/23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

<b>DART AEROSPACE LTD</b>				<b>Work Order:</b> 79200	
<b>Description:</b> 206 Saddle, Outboard, Left side				<b>Part Number:</b> D2661-1	
<b>Inspection Dwg:</b> D2661 <b>Rev:</b> E <b>DSK:</b> <b>Rev:</b>				<b>Page 1 of 2</b>	

### FIRST ARTICLE INSPECTION DIMENSION SHEET

Dim	Min	Max	Go/No Go Gauge	Record Actual Dimensions				
				1	2	3	4	5
A	3.611	3.621		3.616	3.616	3.616	3.616	3.616
B	0.256	0.263		.260	.260	.260	.260	.260
C	0.315	0.322		.316	.316	.316	.316	.316
D	2.495	2.505		2.500	2.500	2.500	2.500	2.500
E	1.674	1.684		1.679	1.679	1.679	1.679	1.679
F	1.357	1.367		1.362	1.362	1.362	1.362	1.362
G	0.100	0.140		.118	.120	.119	.120	.120
H	0.210	0.230		.225	.225	.225	.225	.225
I	0.615	0.685		.680	.680	.680	.680	.680
J	2.470	2.510		2.490	2.490	2.490	2.490	2.490
K	1.313	1.343		1.323	1.325	1.325	1.325	1.325
L	0.178	0.198		.188	.188	.188	.188	.188
M	0.470	0.530		.500	.500	.500	.500	.500
N	1.125	1.145		1.133	1.135	1.1345	1.135	1.1345
O	0.100	0.180		.135	.135	.135	.135	.135
P	0.100	0.140		.130	.131	.131	.131	.131
Q	0.240	0.260		.251	.250	.250	.250	.250
R	0.677	0.697		.687	.687	.687	.687	.687
S	0.100	0.140		.120	.120	.120	.120	.120
T	1.565	1.585		1.574	1.5755	1.575	1.5755	1.575
U	0.540	0.560		.550	.550	.550	.550	.550
V	0.912	0.932		.921	.921	.921	.921	.922
W	0.787	0.807		.797	.797	.797	.797	.797
X	5.990	6.010		6.000	6.000	6.000	6.000	6.000
Y	4.995	5.005		5.000	5.000	5.000	5.000	5.000
Z	0.490	* 0.510		.499	.499	.498	.500	.499
AA	0.312	0.319		.314	.314	.314	.314	.314
AB	0.990	1.010		1.000	1.000	1.000	1.000	1.000
AC	1.245	1.255		1.250	1.250	1.250	1.250	1.250
AD	0.490	0.510		.500	.500	.500	.500	.500
AE	3.745	3.755		3.750	3.750	3.750	3.750	3.750
AF	0.235	0.240		.236	.236	.236	.236	.236
AG	0.510	0.515		.512	.512	.512	.512	.512
AH	0.100	0.120		.109	.109	.109	.109	.109
AI								

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

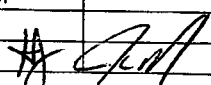
**NOTE:** Date & initial all entries

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b>	79200
<b>Description:</b> 206 Saddle, Outboard, Left side		<b>Part Number:</b>	D2661-1
<b>Inspection Dwg:</b> D2661 <b>Rev:</b> E <b>DSK:</b> <b>Rev:</b>		<b>Page 2 of 2</b>	

### FIRST ARTICLE INSPECTION DIMENSION SHEET

Dim	Min	Max	Go/No Go Gauge	Record Actual Dimensions				
				1	2	3	4	5
AJ								
AK								
AL								
AM								
AN								
Accept/Reject								

<b>Measured by:</b> EK	<b>Date:</b> 12/02/24
<b>Audited by:</b> DR	<b>Date:</b> 12-2-25
<b>Prototype Approval:</b>	<b>Date:</b>

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	99.04.19	Incorporated DSI 9095, DSI 9102 & DSI 9122 Rev. A	RF	
C	99.11.11	Added Dim. R-T	RF	
D	02.12.12	Reformat; Added Dim. U-W & DT8683, DT8686	KJ/RF	
E	06.07.05	Revised per drawing revision C	KJ/JLM	
F	07.03.21	Revised per drawing revision D	KJ/JLM	
G	11.11.07	Dimensions C and F revised	KJ	
H	12.01.10	Revised per drawing revision E	KJ	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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<b>DART AEROSPACE LTD</b>				<b>Work Order:</b> 79200	
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				6	7	8	9	10
A	3.611	3.621		3.616	3.616	3.616	3.616	3.616
B	0.256	0.263		.260	.260	.260	.260	.260
C	0.315	0.322		.316	.316	.316	.316	.316
D	2.495	2.505		2.500	2.500	2.500	2.500	2.500
E	1.674	1.684		1.679	1.679	1.679	1.679	1.679
F	1.357	1.367		1.362	1.362	1.362	1.362	1.362
G	0.100	0.140		.121	.120	.119	.120	.120
H	0.210	0.230		.226	.225	.225	.225	.225
I	0.615	0.685		.680	.680	.680	.680	.680
J	2.470	2.510		2.490	2.490	2.490	2.490	2.490
K	1.313	1.343		1.325	1.323	1.323	1.325	1.325
L	0.178	0.198		.188	.188	.188	.188	.188
M	0.470	0.530		.500	.500	.500	.500	.500
N	1.125	1.145		1.135	1.1345	1.134	1.135	1.1345
O	0.100	0.180		.135	.135	.135	.135	.135
P	0.100	0.140		.130	.130	.131	.130	.130
Q	0.240	0.260		.250	.250	.250	.250	.250
R	0.677	0.697		.687	.687	.687	.687	.687
S	0.100	0.140		.120	.120	.120	.120	.120
T	1.565	1.585		1.575	1.575	1.5745	1.5755	1.5735
U	0.540	0.560		.550	.550	.550	.550	.550
V	0.912	0.932		.920	.922	.922	.922	.921
W	0.787	0.807		.797	.797	.797	.797	.797
X	5.990	6.010		6.000	6.000	6.000	6.000	6.000
Y	4.995	5.005		5.000	5.000	5.000	5.000	5.000
Z	0.490	0.510		.497	.500	.500	.500	.499
AA	0.312	0.319		.314	.314	.314	.314	.314
AB	0.990	1.010		1.000	1.000	1.000	1.000	1.000
AC	1.245	1.255		1.250	1.250	1.250	1.250	1.250
AD	0.490	0.510		.500	.500	.500	.500	.500
AE	3.745	3.755		3.750	3.750	3.750	3.750	3.750
AF	0.235	0.240		.236	.236	.236	.236	.236
AG	0.510	0.515		.512	.512	.512	.512	.512
AH	0.100	0.120		.109	.109	.109	.109	.109
AI								

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b>	79200
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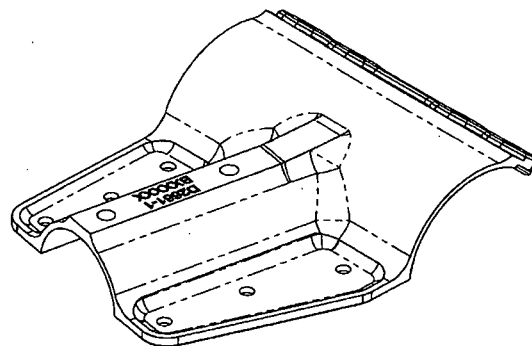
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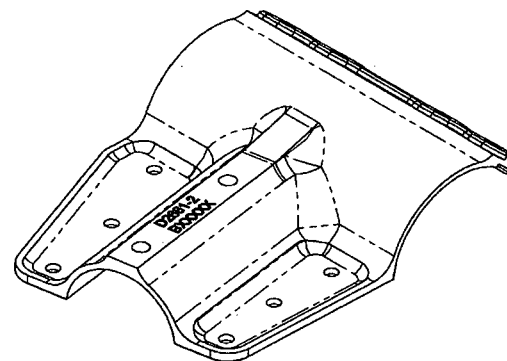
<b>Measured by:</b> FK	<b>Date:</b> 12/02/24
<b>Audited by:</b> TR	<b>Date:</b> 12.2.25
<b>Prototype Approval:</b>	<b>Date:</b>

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	99.04.19	Incorporated DSI 9095, DSI 9102 & DSI 9122 Rev. A	RF	
C	99.11.11	Added Dim. R-T	RF	
D	02.12.12	Reformat; Added Dim. U-W & DT8683, DT8686	KJ/RF	
E	06.07.05	Revised per drawing revision C	KJ/JLM	
F	07.03.21	Revised per drawing revision D	KJ/JLM	
G	11.11.07	Dimensions C and F revised	KJ	
H	12.01.10	Revised per drawing revision E	KJ	





**D2661-1 SADDLE, OUTSIDE, LH**



**D2661-2 SADDLE, OUTSIDE, RH**

**RELEASED**  
2011-11-16

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AVIATION

WITHOUT NOTICE  
WORK ORDER  
NO. 79200 M.C.J  
12101123

E	REDRAW & REFORMAT DWG; 0.687 WAS 0.547 (B6-2,B8-4), REF NCR 11-935	CP	11.10.31
D	R0.188 WAS R0.30; Ø0.316 WAS Ø0.313	CB	06.11.08
C	INCORPORATE DEO 9122, 9102, 9095	CB	06.05.29
B	ANGLE AND NOTES ADDED	KE	97.07.11
A	NEW ISSUE	DS	07.03.25
REV.	DESCRIPTION	BY	DATE
DESIGN	<u>JP</u>	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	<u>JP</u>	KENT, WA	
CHECKED	<u>ASS</u>	DRAWING NO.	REV. E
MFG. APPR.	<u>JP</u>	D2661	SHEET 1 OF 5
APPROVED	<u>JP</u>	TITLE	SCALE
DE APPR.	<u>JP</u>	SADDLE, OUTSIDE	NTS
DATE	11.10.31	COPYRIGHT © 1997 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**D2661-1 SADDLE, OUTSIDE, LH**

1) MATERIAL: 7075-T7351 ALUMINUM PLATE PER QQ-A-250/12, AMS-QQ-A-250/12, OR ASTM B209  
MAKE FROM D8101-003 SADDLE BILLET

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
POWDER COAT "WHITE GLOSS" (4.3.5.1) PER DART QSI 005 4.3

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.010 TO 0.020 MAX

6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N PER DART QSI 044 6.3 (CNC ENGRAVING)  
USING MAX DEPTH OF 0.010 WITH MIN RADIUS OF 0.010  
IDENTIFY WITH DART LOGO PER DART QSI 044 6.3 (CNC ENGRAVING)  
USING MAX DEPTH OF 0.015 WITH MIN RADIUS OF 0.25

7) WEIGHT: 0.79 lbs

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DESIGN		DART AEROSPACE USA, INC.	
DRAWN	JP	KENT, WA	
CHECKED	ASS	DRAWING NO.	REV. E
MFG. APPR.	SA	D2661	SHEET 2 OF 5
APPROVED	SA	TITLE	SCALE
DE APPR.	SA	SADDLE, OUTSIDE	NTS
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DRAWN	<i>QD</i>		SHEET 2 OF 2
CHECKED	<i>ASB</i>		SCALE
MFG. APPR.	<i>WJ</i>		NT
APPROVED	<i>WJ</i>		
DE APPR.	<i>#</i>		
DATE	<b>11.10.31</b>		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

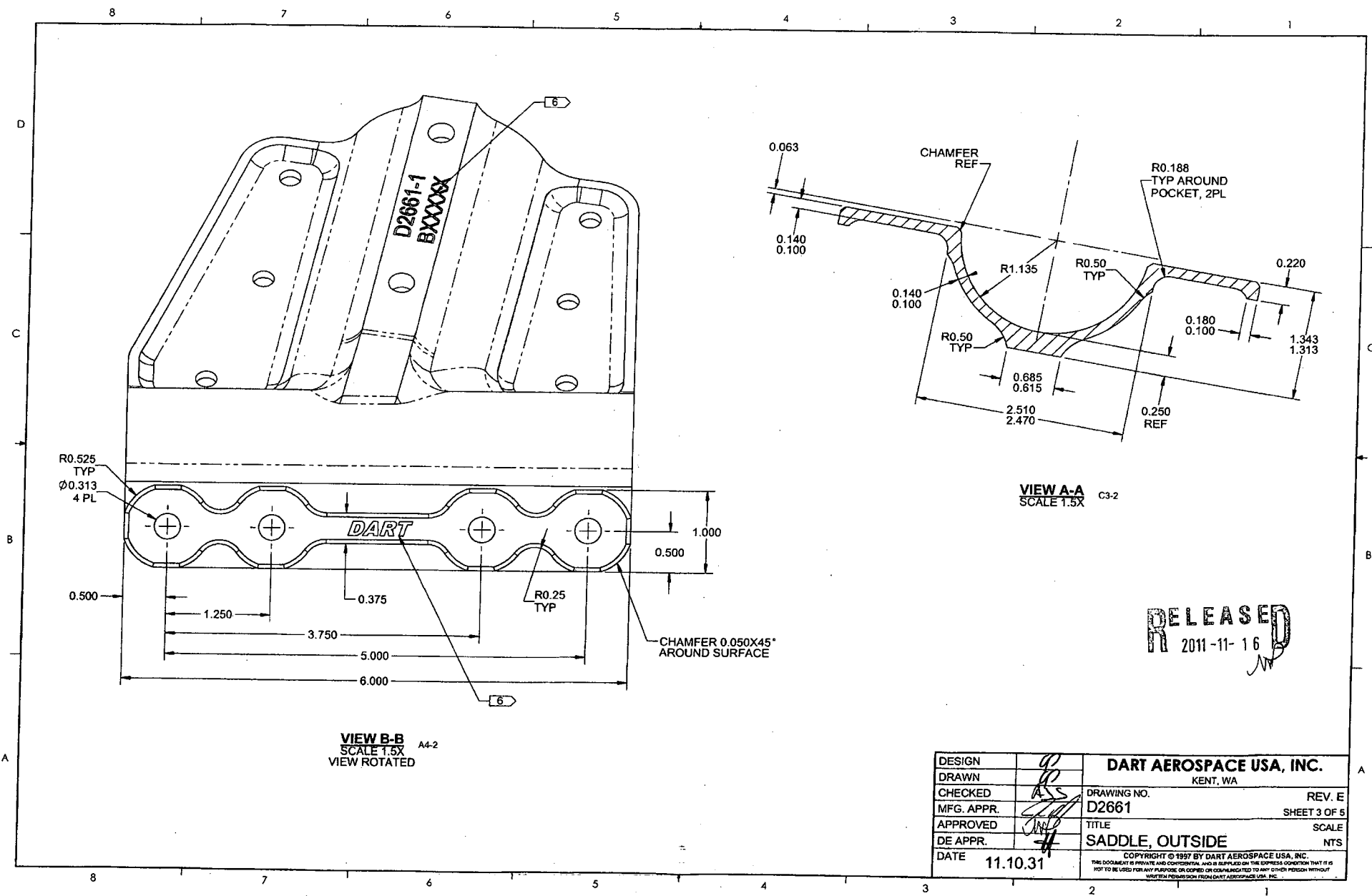
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Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

79200



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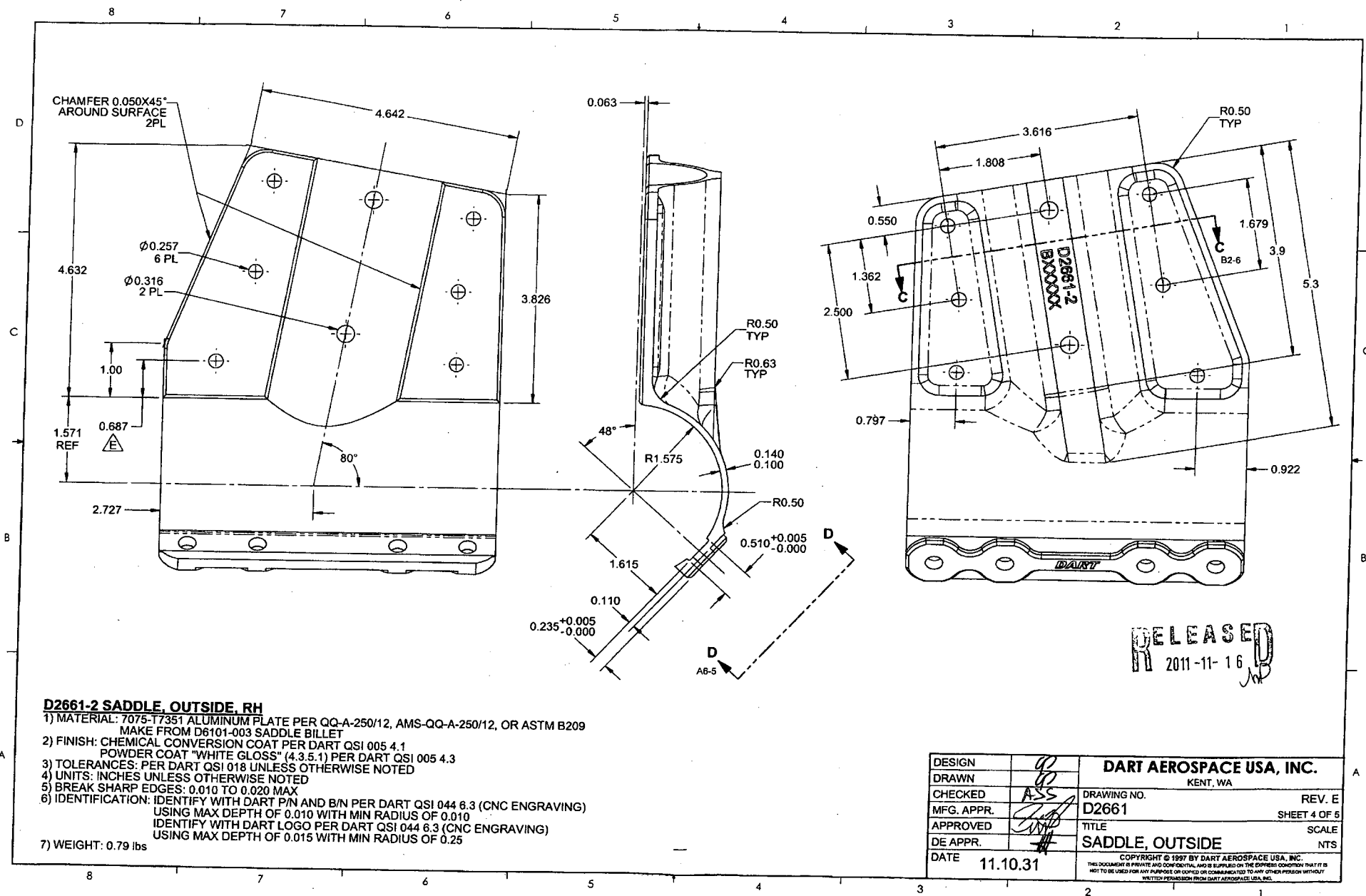
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Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

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W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

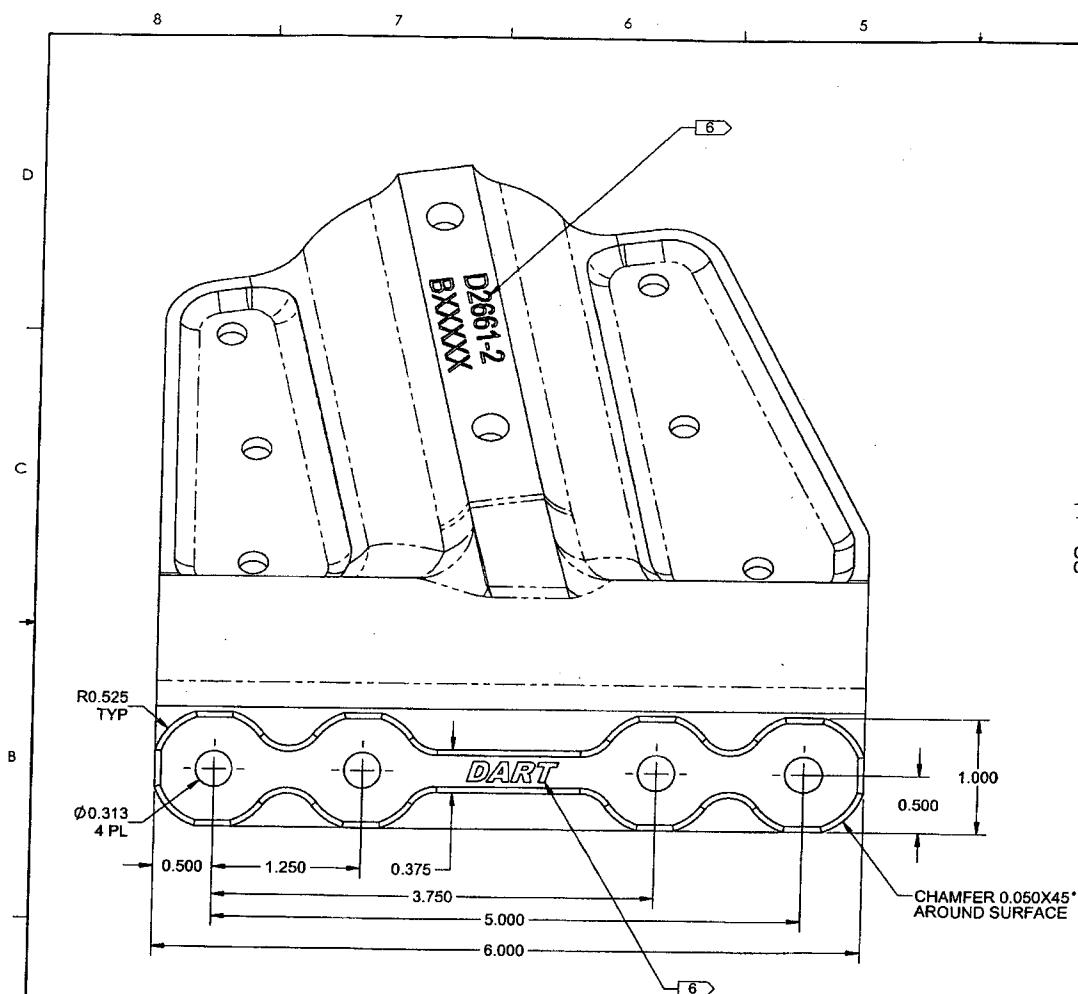
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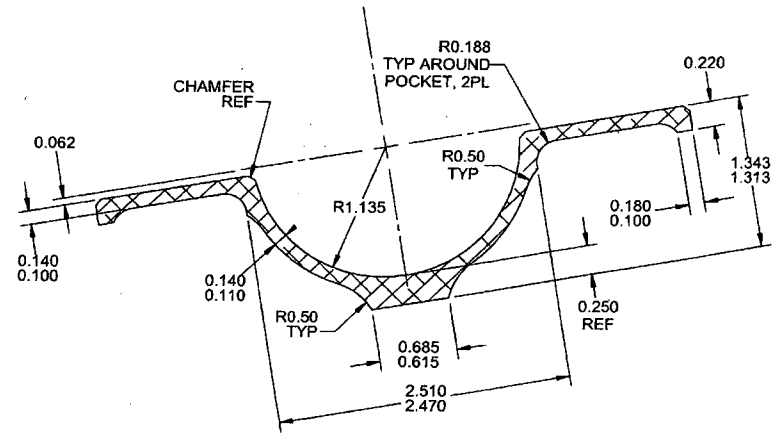
**NOTE:** Date & initial all entries



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**VIEW D-D** B4-4  
SCALE 1.5X  
VIEW ROTATED



**SECTION C-C** C1-4  
SCALE 1.5X

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Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries